Contents Volume 24 (1988)

On the conditions of effective surface hydrophobization of synthetic chalcocite by ethyl xanthate
L. Hołysz and E. Chibowski (Lublin, Poland) 1
The characterization of size distribution as a reciprocal hyperbolical function
A. Mianowski (Gliwice, Poland) 11
The INCO-voltammetric cell: a new approach to flotation modelling
M. Hodgson and G.E. Agar (Mississauga, Ont., Canada) 27
Flotation of dolomitic impurities from Jhamarkotra (India) phosphorites
B.M. Moudgil and D. Ince (Gainesville, Fla., U.S.A.) 47
Effect of oolite structure on direct reduction of oolitic iron ores
Y. Zimmels, S. Weissberger and I.J. Lin (Haifa, Israel) 55
An electrochemical characterization of pyrites from coal and ore sources
A. Briceno and S. Chander (University Park, Pa., U.S.A.) 73
Significance of the efficiency index in evaluating the economics of beneficiation of coal fines by the oil agglomeration technique
S.K. Hazra, T.C. Rao and G.G. Sarkar (Dhanbad, India) 81
Investigation of xanthate interaction on platinum and chalcopyrite by small amplitude cyclic voltammetry
J.R. Roos, J.P. Celis and A.S. Sudarsono (Heverlee, Belgium) 91
Effect of the depressing agents $FeSO_4$ and NaCN on the surface properties of galena in the flotation system
S.R. Popov, D.R. Vučinić and N.M. Ćalić (Belgrade, Yugoslavia) 111
Energy split in multicomponent grinding
P.C. Kapur and D.W. Fuerstenau (Berkeley, Calif., U.S.A.) 125
Effects of lifter bars on the motion of en-masse grinding media in milling
L.A. Vermeulen and D.D. Howat (Randburg, South Africa) 143
Technical Note
Flotation column for fine coal beneficiation
P.S.R. Reddy, S.G. Kumar, K.K. Bhattacharyya, S.R.S. Sastri and K.S. Narasimhan (Bhubaneswar, Orissa, India) 161

The dissolution of ilmenite in $HCl-H_2O$, $HCl-CH_3OH$ and $HCl-C_2H_5OH$ systems — A theoretical approach
L. Türker, I. Girgin (Ankara, Turkey) and D. Goodall (Leeds, Great Britain) 173
An electrochemical study of the bacterial leaching of synthetic Ni_3S_2
B. Verbaan (Johannesburg, South Africa) and R. Huberts (Randburg, South Africa) 185
A statistical approach to precipitate flotation of CuS/ZnS
G.A. Stalidis, K.A. Matis and N.K. Lazaridis (Thessaloniki, Greece) 203
Instrumentation and control of a continuous 0.6-m SAG mill circuit
A.L. Mular, T. Bond, J.F. Kingston (Vancouver, B.C., Canada) and G.D. Farnell (Lachine, Que., Canada) 217
Mineralogical aspects of beneficiation of phosphates
L. Zevin, S. Lach (Beer-Sheva, Israel), Y. Levi and B. Pregerson (Dimona, Israel) 235
On the attachment probability of bubble/particle contacts in solid/liquid suspensions
W. Rasemann (Freiberg, G.D.R.) 247
Principles of mineral separation by selective magnetic coating
P. Parsonage (Stevenage, Herts., Great Britain) 269

Increased coarse coal yield from flotation using non-ionic frothers
N.T. Moxon, R. Keast-Jones (Wallsend, N.S.W., Australia) and J.R. Aston (Ascot Vale, Qld., Australia) 295
Investigation of a pyrite–quartz flotation froth by use of a novel froth-splitting apparatus
C.M. Goodall, A.M. Barker and C.T. O'Connor (Rondebosch, South Africa) 307
Publications received 319